

P.S.E
0XC-09121000100160011-2
1/CP/

27 September 1960

Dear Don:

Enclosed are the shipping papers covering the items we are sending to you for your tests. I would like to suggest that the instruction manual be read prior to doing anything to any of the units. I think that it will be quite clear as to how the unit should be operated, and what precautions should be taken. If there are any questions, or if you would like us to send somebody to your facility to help in the installation, please do not hesitate to contact me.

We have checked-out the unit here prior to shipment. As you too have found, the attainment of a satisfactory vacuum is a somewhat difficult task. Our tests indicate that a suitable vacuum was attained at temperature. It is of concern to me, however, how long the O-ring will last. The vacuum we were able to achieve was sufficient, but did not have much margin if analytical calculations of vacuum level required are correct. We would have liked to test this unit as an "ovendoor" in the condition of vacuum and then no vacuum in the gap. A comparison of the heat transfer in the two conditions would have established whether the vacuum was sufficient. Our oven is being modified, and we were not able to do this test.

We are making arrangements for back-up parts, so that we will be in a position to repair your unit, should the O-ring give out before the conclusion of your tests.

We hope that it will not be too long before we have a quartz to metal seal that does not present the difficulties that organic seals do.

Best personal regards,


Paul

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MB-M-120
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